SMH9151

Microwave Oven

user manual

imagine the possibilities

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SAMSUNG

features of your new microwave oven

- **Luxurious Look**

  The Stainless Steel (STSS) exterior delivers a luxurious look to your kitchen. The design matches perfectly with your other kitchen appliances, providing a harmonious kitchen interior.

- **Controllable Ventilation System**

  Depending on the duct location, you can set the orientation of the vent. You can also select the ventilation power (High, Low, Off) depending on your cooking selection.

- **One Touch Instant Cooking**

  One touch Cooking saves you time and allows you to cook easily, simply by using various instant cooking options consisting of frequently used choices. Moreover, your Over The Range (OTR) oven provides optimal cook settings for various items guaranteeing satisfaction.

- **Child Lock**

  The Child safety lock function of the new Over the Range (OTR) oven prevents children from playing with the oven and accidentally harming themselves or damaging the oven.

- **Cook-top Lighting**

  Illuminate your cooking experience with Cook-top Lighting and even control the degree of lighting (High/Low/Off).

PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

A. Do not attempt to operate this oven with the door open since open-door operation can result in harmful exposure to microwave energy. It is important not to defeat or tamper with the safety interlocks.

B. Do not place any object between the oven front face and the door or allow soil or cleaner residue to accumulate on sealing surface.

C. Do not operate the oven if it is damaged. It is particularly important that the oven door close properly and that there is no damage to the:

1. Door (bent),
2. hinges and latches, (broken or loosened),
3. door seals and sealing surface.

D. The oven should not be adjusted or repaired by anyone except properly qualified service personnel.

SAVE THESE INSTRUCTIONS

safety information

Congratulations on your new Samsung microwave oven. This manual contains important information on the installation, use and care of your appliance. Please take time to read this manual to take full advantage of your microwave oven's many benefits and features.

WHAT YOU NEED TO KNOW ABOUT SAFETY INSTRUCTIONS

Warnings and Important Safety Instructions in this manual do not cover all possible conditions and situations that may occur. It is your responsibility to use common sense, caution, and care when installing, maintaining, and operating your microwave oven.

IMPORTANT SAFETY SYMBOLS AND PRECAUTIONS

What the icons and signs in this user manual mean:

WARNING	Hazards or unsafe practices that may result in **severe personal injury or death.**
CAUTION	Hazards or unsafe practices that may result in **minor personal injury or property damage.**
CAUTION	To reduce the risk of fire, explosion, electric shock, or personal injury when using your microwave oven, follow these basic safety precautions.

	Do NOT attempt.
	Do NOT disassemble.
	Do NOT touch.
	Follow directions explicitly.
	Unplug the power plug from the wall socket.
	Make sure the machine is grounded to prevent electric shock.
	Call the service center for help.
	Note

These warning signs are here to prevent injury to you and others.
Please follow them explicitly.
After reading this section, keep it in a safe place for future reference.

SAVE THESE INSTRUCTIONS

IMPORTANT SAFETY INSTRUCTIONS

When using any electrical appliance, basic safety precautions should be followed, including the following:

⚠ WARNING WARNING

To reduce risk of burns, electric shock, fire, personal injury or exposure to excessive microwave energy:

1. Read all safety instructions before using the appliance.
2. Use this appliance only for its intended uses as described in this manual.
3. Read and follow the specific “Precautions to Avoid Exposure to Excessive Microwave Energy” on this page.
4. This appliance must be grounded. Connect only to properly grounded outlets. See Important “Grounding Instructions” on page 6 of this manual.
5. Install or locate this appliance only in accordance with the provided installation instructions.
6. Some products such as whole eggs and sealed containers for example, closed glass jars are able to explode and should not be heated in this oven.
7. Use this appliance only for its intended use as described in the manual. Do not use corrosive chemicals or vapors in this appliance. This type of oven is specifically designed to heat, cook, or dry food. It is not designed for industrial or laboratory use.
8. As with any appliance, close supervision is necessary when used by children.
9. Do not operate this appliance if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.
10. Never try to repair the oven on your own. This appliance should be repaired or serviced only by qualified service personnel. Contact the nearest authorized service facility for examination, repair, or adjustment.
11. Do not cover or block any openings on the appliance.
12. Do not tamper with or make any adjustments or repairs to the door.
13. Do not store this appliance outdoors. Do not use this product near water for example, near a kitchen sink, in a wet basement, near a swimming pool, or similar locations.
14. Do not immerse cord or plug in water.
15. Keep cord away from heated surfaces. (including the back of the oven).
16. Do not let cord hang over edge of table or counter.
17. When cleaning surfaces of door and oven that comes together on closing the door, use only mild, nonabrasive soaps, or detergents applied with a sponge or soft cloth. Unplug the plug before cleaning.
18. To reduce the risk of fire in the oven cavity.
    - **a.** Do not overcook food. Carefully attend appliance when paper, plastic, or other combustible materials are placed inside the oven to facilitate cooking.
    - **b.** Remove wire twist-ties from paper or plastic bags before placing bag in oven.
    - **c.** If materials inside the oven ignite, keep oven door closed, turn oven off, and disconnect the power cord, or shut off power at the fuse or circuit breaker panel. If the door is opened, the fire may spread.
    - **d.** Do not use the cavity for storage purposes. Do not leave paper products, cooking utensils, or food in the cavity when not in use.
19. Liquids, such as water, milk, coffee, or tea are able to be overheated beyond the boiling point without appearing to be boiling. Visible bubbling or boiling when the container is removed from the microwave oven is not always present. THIS COULD RESULT IN VERY HOT LIQUIDS SUDDENLY BOILING OVER WHEN THE CONTAINER IS DISTURBED OR A SPOON OR OTHER UTENSIL IS INSERTED INTO THE LIQUID. To reduce the risk of injury to persons:
    - **a.** Do not overheat the liquid.
    - **b.** Stir the liquid both before and halfway through heating it.
    - **c.** Do not use straight-sided containers with narrow necks.
    - **d.** After heating, allow the container to stand in the microwave oven for a short time before removing the container.
    - **e.** Use extreme care when inserting a spoon or other utensil into the container.

SAVE THESE INSTRUCTIONS

20. Clean Ventilating Hoods Frequently - Grease should not be allowed to accumulate on hood of filter.
21. When flaming foods under the hood, turn the fan on.
22. Use care when cleaning the vent-hood filter. Corrosive cleaning agent, such as lye-based oven cleaner, may damage the filter.

⚠ CAUTION

1. Clean Ventilating Hoods Frequently - Grease should not be allowed to accumulate on hood of filter.
2. When flaming foods under the hood, turn the fan on.
3. Use care when cleaning the vent-hood filter. Corrosive cleaning agent, such as lye-based oven cleaner, may damage the filter.

GROUNDING INSTRUCTIONS

This appliance must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electrical current. This appliance is equipped with a cord that includes a grounding wire and a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.

⚠ WARNING

Improper use of the grounding plug can result in a risk of electric shock.

- Plug into a grounded 3 prong outlet. Do not remove the third (grounding) prong.Do not use an adaptor or otherwise defeat the grounding plug.
- Consult a qualified electrician or service person if you do not understand the grounding instructions or if you are not sure if the appliance is properly grounded.
- We do not recommend using an extension cord with this appliance. If the power-supply cord is too short, have a qualified electrician or serviceman install an outlet near the appliance. However, if it is necessary to use an extension cord, read and follow the “Use of Extension Cords” section below.

Use of Extension Cords

A short power-supply cord is provided to reduce the risk of becoming entangled in or tripping over a longer cord. Longer cord sets or extension cords are available and may be used if care is exercised in their use. If a long cord or extension cord is used:

1. The marked electrical rating of the cord set or extension cord should be at least as great as the electrical rating of the appliance.
2. The extension cord must be a grounding-type 3-wire cord and it must be plugged into a 3-slot outlet.
3. The longer cord should be arranged so that it will not drape over the counter top or tabletop where it can be pulled on by children or tripped over accidentally. If you use an extension cord, the interior light may flicker and the blower may vary when the microwave oven is on. Cooking times may be longer, too.

SAVE THESE INSTRUCTIONS

⚠ WARNING SEVERE WARNING SIGNS FOR INSTALLATION

The installation of this appliance must be performed by a qualified technician or service company.

- Failing to do so may result in electric shock, fire, an explosion, problems with the product, or injury.

Unpack oven, remove all packaging material and examine the oven for any damages such as dents on the interior or exterior of the oven, broken door latches, cracks in the door, or a door that is not lined up correctly. If there is any damage, do not operate the oven and notify your dealer immediately.

Remove all foreign substances such as dust or water from the power plug terminals and contact points using a dry cloth on a regular basis.

- Unplug the power plug and clean it with a dry cloth.
- Failing to do so may result in electric shock or fire.

Plug the power cord into a properly grounded outlet of standard. Your oven should be the only connected on this circuit.

- Sharing a wall socket with other appliances using a power strip or extending the power cord may result in electric shock or fire.
- Do not use an electric transformer. It may result in electric shock or fire.
- Ensure that the power voltage, frequency and current are the same as those of the product specifications. Failing to do so may result in electric shock or fire.

Keep all packaging materials out of the reach of children. Children may use them for play.

This appliance must be properly grounded. Read and follow the specific “Grounding Instructions” found in the beginning of this Section.
Do not ground the appliance to a gas pipe, plastic water pipe, or telephone line.

- This may result in electric shock, fire, an explosion, or problems with the product
- Never plug the power cord into a socket that is not grounded correctly and make sure that it is in accordance with local and national codes.

Do not cut or remove the third (ground) prong from the power cord under any circumstances.

Connect the oven to a 20A circuit. When connecting the oven to a 15A circuit, make sure that circuit breaker is operable.

Do not install this appliance in a humid, oily or dusty location, in a location exposed to direct sunlight and water (rain drops).

- This may result in electric shock or fire.

Plug the power plug into the wall socket firmly. Do not use a damaged power plug, damaged power cord or loose wall socket.

- This may result in electric shock or fire.

Do not operate any other heating or cooking appliance beneath this appliance.
Do not mount unit over or near any portion of a heating or cooking appliance.

Do not mount over a sink.

Do not pull or excessively bend the power cord.

Do not twist or tie the power cord.

Do not hook the power cord over a metal object, place a heavy object on the power cord, insert the power cord between objects, or push the power cord into the space behind the appliance.

- This may result in electric shock or fire.

Do not pull the power cord, when unplugging the power plug.

SAVE THESE INSTRUCTIONS

- Unplug the power plug by holding the plug.
- Failing to do so may result in electric shock or fire.

When the power plug or power cord is damaged, contact your nearest service center.

CAUTION SIGNS FOR INSTALLATION

This appliance should be positioned in such a way that it is accessible to the power plug.

- Failing to do so may result in electric shock or fire due to electric leakage.

Unplug the power plug when the appliance is not being used for long periods of time or during a thunder/lightning storm.

- Failing to do so may result in electric shock or fire.

SEVERE WARNING SIGNS FOR USING

If the appliance is flooded please contact your nearest service center : Failing to do so may result in electric shock or fire.

Read and follow the specific “Precautions to Avoid Possible Exposure to Excessive Microwave Energy”, found in the beginning of this Section.

If the appliance generates a strange noise, a burning smell or smoke, unplug the power plug immediately and contact your nearest service center.

- Failing to do so may result in electric shock or fire.

In the event of a gas leak (such as propane gas, LP gas, etc.), ventilate immediately without touching the power plug. Do not touch the appliance or power cord.

- Do not use a ventilating fan.
- A spark may result in an explosion or fire.

Take care that the door or any of the other parts do not come into contact with the body while cooking or just after cooking.

- Failing to do so may result in burns.

In the event of a grease fire on the surface units below the oven, smother a flaming pan on the surface unit by covering the pan completely with a lid, a cookie sheet or a flat tray.

Never leave surface units beneath your oven unattended at high heat settings. Boilovers cause smoking and greasy spillovers that may ignite and spread if the vent fan is operating. To minimize automatic fan operation, use adequate sized cookware and use high heat on surface units only when necessary.

If materials inside oven should ignite, keep the oven door closed, turn the oven off and disconnect the power cord, or shut off power at the fuse or circuit breaker panel. If the door is opened, the fire may spread.

Always observe Safety Precautions when using your oven. Never try to repair the oven on your own - there is dangerous voltage inside. If the oven needs to be repaired, contact an authorized service center near you.

Do not attempt to repair, disassemble, or modify the appliance yourself.

- Since a high voltage current enters the product chassis, it may result in electric shock or fire.
- You may be exposed to electromagnetic waves.
- When repairing the appliance is required, contact your nearest service center.

SAVE THESE INSTRUCTIONS

If any foreign substance such as water has entered the appliance, unplug the power plug and contact your nearest service center.

- Failing to do so may result in electric shock or fire.

Do not touch the power plug with wet hands.

- This may result in electric shock.

Do not turn the appliance off by unplugging the power plug while an operation is in progress.

- Plugging the power plug into the wall socket again may cause a spark and result in electric shock or fire.

Keep all packaging materials well out of the reach of children, as packaging materials can be dangerous to children.

- If a child places a bag over its head, it may result in suffocation.

Do not let children or any person with reduced physical, sensory or mental capabilities use this appliance unsupervised.
Make sure that the appliance is out of the reach of children.

- Failing to do so may result in electric shock, burns or injury.

Do not touch the inside of the appliance immediately after cooking, because the inside of the appliance is hot after being heated for a long time or heating a small amount of food.

- Failing to do so may result in burns.

Do not use aluminum foil, metal objects (such as containers, forks, etc.) or containers with golden or silver rims.

- This may result in sparks or fire.

Do not use or place inflammable sprays or objects near the oven.

- This may result in fire or an explosion.

Do not insert fingers, foreign substances or metal objects such as pins or needles into the inlet, outlet, water supply cartridge input and output parts, and holes. If foreign substances are inserted into any of these holes, unplug the power plug from the wall socket and contact your product provider or nearest service center.

- Failing to do so may result in electric shock or injury.

Do not tamper with or make any adjustments or repairs to the door. Under no circumstances should you remove the outer cabinet.

Do not store or use oven outdoors.

CAUTION CAUTION SIGNS FOR USING

When the surface is cracked, turn the power switch of the appliance off.

- Failing to do so may result in electric shock.

Dishes and containers can become hot. Handle with care.

Hot foods and steam can cause burns. Carefully remove container coverings, directing steam away from hands and face.

Remove lids from baby food before heating. After heating baby food, stir well to distribute the heat evenly. Always test temperature by tasting before feeding the baby. The glass jar or surface of the food may appear to be cooler than the interior, which can be so hot as to burn the infant's mouth.

Make sure all cookware used in the oven is suitable for microwaving.

Use microwavable cookware in strict compliance with such manufacturers recommendations.

SAVE THESE INSTRUCTIONS

Do not stand on top of the appliance or place objects (such as laundry, oven cover, lighted candles, lighted cigarettes, dishes, chemicals, metal objects, etc.) on the appliance.
- Items, such as a cloth, may be caught in the door.
- This may result in electric shock, fire, problems with the product, or injury.

Do not operate the appliance with wet hands.
- This may result in electric shock.

Do not spray volatile material such as insecticide onto the surface of the appliance.
- As well as being harmful to humans, it may also result in electric shock, fire or problems with the product.

Do not place the appliance over a fragile object such as a sink or glass object.
- This may result in damage to the sink or glass object.

Do not put your face or body close to the appliance while cooking or when opening the door just after cooking.
- Take care that children do not come too close to the appliance.
- Failing to do so may result in children burning themselves.

Do not place food or heavy objects over the door when opening the door.
- The food or object may fall and this may result in burns or injury.

Do not abruptly cool the door, the inside of the appliance, or the dish by pouring water over it during or just after cooking.
- This may result in damage to the appliance. The steam or water spray may result in burns or injury.

Do not try to preheat oven or operate while empty.

Do not cook without the glass tray in place on the oven floor. Food will not cookproperly without the tray.

Do not defrost frozen beverages in narrow-necked bottles. The containers can break.

Do not scratch the glass of the oven door with a sharp object.
- This may result in the glass being damaged or broken.

Do not store anything directly on top of the appliance when it is in operation.

Do not use sealed containers. Remove seals and lids before use. Sealed containers can explode due to buildup of pressure even after oven has been turned off.

⚠ WARNING SEVERE WARNING SIGNS FOR CLEANING

Do not clean the appliance by spraying water directly onto it.

Do not use benzene, thinner or alcohol to clean the appliance.
- This may result in discoloration, deformation, damage, electric shock or fire.

Before cleaning or performing maintenance, unplug the appliance from the wall socket and remove food waste from the door and cooking compartment.
- Failing to do so may result in electric shock or fire.

Take care not to hurt yourself when cleaning the appliance (external/internal)
- You may hurt yourself on the sharp edges of the appliance.

Do not clean the appliance with a steam cleaner.
- This may result in corrosion.

Keep the inside of the oven clean. Food particles or spattered oils stuck to the oven walls or floor can cause paint damage and reduce the efficiency of the oven.

SAVE THESE INSTRUCTIONS

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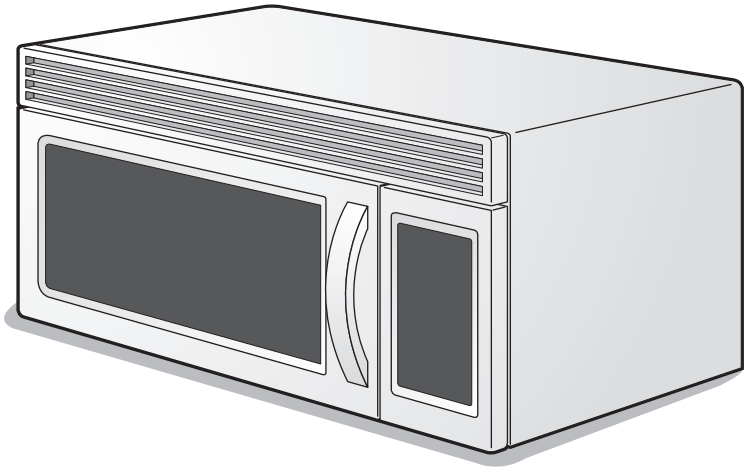
setting up your new microwave oven

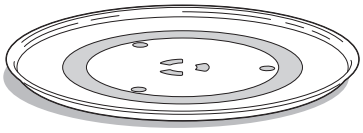
Be sure to follow these instructions closely so that your new microwave oven works properly.

CHECKING THE PARTS

Carefully unpack your microwave oven, and make sure you've received all the parts shown below. If your microwave oven was damaged during shipping, or if you do not have all the parts, contact Samsung Customer Service. (Refer to the "WARRANTY AND SERVICE INFORMATION" on page 14.)

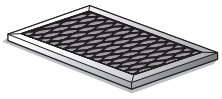


Microwave oven

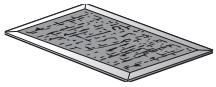


Glass tray
DE63-00536A

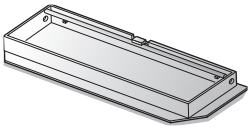
Roller guide ring
DE92-90495C



Charcoal filter
DE63-00367E

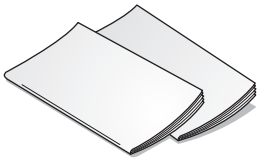


Grease filter
DE63-00196A

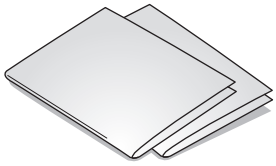


Exhaust adaptor
DE92-90242E

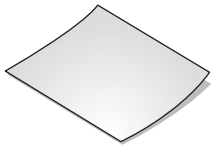
Hardware-kit
DE92-90505G



Manuals
(User DE68-03588D **&**
Installataions DE68-03587B)



Templates
(Top DE68-03589B **&**
Wall DE68-02230Q)



Registration card
DE68-70164A

WARRANTY AND SERVICE INFORMATION

To help us to serve you better, please complete the enclosed registration card and promptly return it by mail. If the registration card is missing, you can call Samsung Electronics, Inc., at **1-800-SAMSUNG (726-7864) or register online at www.samsung.com/global/register.** When contacting Samsung, please provide the specific model and serial number information which is usually located on the back or bottom of the product. Please record these numbers below, along with the other requested information. Keep this information in a safe place as a permanent record of your purchase to aid in identification in case of theft or loss, and a copy of your sales receipt as a proof of purchase if warranty service is needed.

MODEL NUMBER _____

SERIAL NUMBER _____

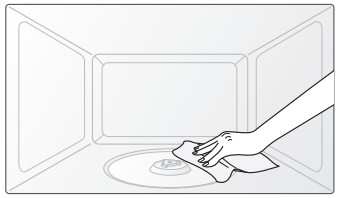
DATE PURCHASED _____

PURCHASED FROM _____

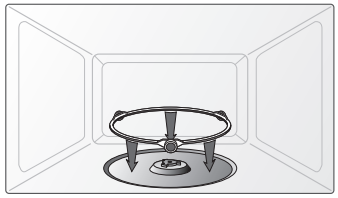
Warranty service can only be performed by a Samsung Authorized Service Center. If you should require warranty service, provide the above information with a copy of your sales receipt to the Samsung Authorized Service Center.
For service assistance and the location of the nearest service center, please call **1-800-SAMSUNG (7267864)**.

SETTING UP YOUR MICROWAVE OVEN

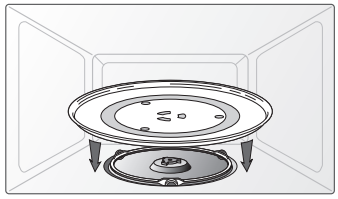
1. Open the door by pulling the handle on the right side of the door.
2. Wipe the inside of the oven with a damp cloth.



3. Install the pre-assembled ring into the indentation at the center of the microwave oven.

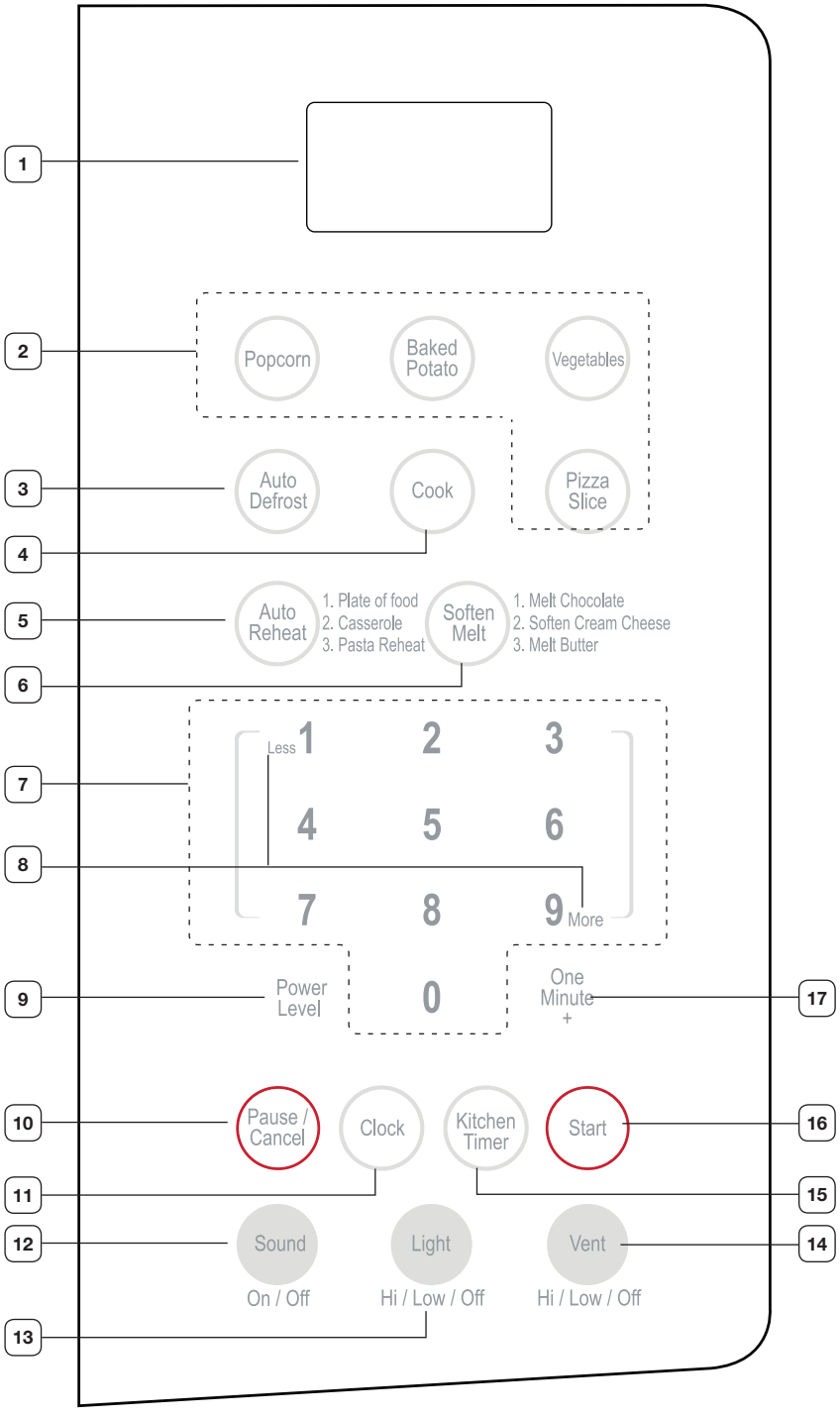


4. Place the glass tray securely in the center of the pre-assembled roller ring.



setting up your new microwave oven

CHECKING THE CONTROL PANEL



1 **DISPLAY**	The display displays the time when the microwave is not being used, as well as your selected cook times and cooking functions.
2 **AUTO COOK BUTTONS**	The **Auto Cook** buttons consist of frequently used items allowing you to select them quickly and conveniently without having to select manual settings.
3 **AUTO DEFROST BUTTON**	Press this button to defrost food according to its weight.
4 **COOK**	Press this button to cook beverage, bacon, frozen dinner, frozen breakfast.
5 **AUTO REHEAT BUTTON**	Press this button to reheat dinner plates, casseroles, or pastas.
6 **SOFTEN MELT**	Press these buttons to cook specific foods. The items are listed beside of the buttons.
7 **NUMBER BUTTONS**	Press the number buttons to enter the cook time, power level, quantity, or weight.
8 **MORE/LESS BUTTONS**	The **More/Less** buttons allow you to adjust the pre-set cook times once you have started cooking. They only work in the "Reheat", "Auto Cooking", "One Minute +", "Time Cook" modes.
9 **POWER LEVEL BUTTON**	Press this button to select a cooking power level.
10 **PAUSE/CANCEL BUTTON**	Press this button to stop the oven or to clear all entries.
11 **CLOCK BUTTON**	Press this button to set the time.
12 **SOUND ON/OFF BUTTON**	Press this button to activate or deactivate all sounds (beeps) of the microwave oven, press the **Sound On/Off** button. The display will show either *OFF* or *On*, according to the selected setting. Press the **START** button to return to the clock display.
13 **LIGHT HI/LO/OFF BUTTON**	Press the **Light Hi/Lo/Off** button once for bright light, twice for night light, or three times to turn the light completely off.
14 **VENT HI/LO/OFF BUTTON**	The vent removes steam and other vapors from the cooking surface.
15 **KITCHEN TIMER BUTTON**	This microwave allows you to use your microwave oven as a timer. Use the **Kitchen Timer** button for timing up to 99 minutes, 99 seconds.
16 **START BUTTON**	Press this button to start a selected function or cycle. If you open the door after the oven begins to cook, close the door and press the **START** button again.
17 **ONE MINUTE+ BUTTON**	This simplified control saves you time, letting you quickly start cooking at 100% power without the need to press the **START** button.

Refer to "Using your microwave oven" below for detailed information on the buttons described in the table above.

setting up your new microwave oven

CHILD LOCK

The Child Lock function allows you to lock the microwave buttons so that the microwave oven cannot be operated accidentally. The oven can be locked at any time.

Activating/Deactivating

If you want to activate or deactivate the child lock function, press the **Start** button for 3 seconds.
The display will show an L when the oven is locked.

DEMONSTRATION MODE

Your microwave also comes with a demonstration mode, allowing you to see how your microwave operates without the oven actually being heated.

Activating/Deactivating

If you want to activate or deactivate the demonstration mode, press the **0** and **1** buttons at the same time.
The oven beeps whenever the demonstration mode is activated or deactivated.

SETTING THE TIME

Your microwave oven is equipped with a built-in clock. Set the clock when first installing your microwave oven and after a power failure. The time is displayed whenever the microwave oven is not being used.

1. Press the **Clock** button.
2. Enter the time using the number buttons.
3. Press the **START** button.

using your microwave oven

Cooking has never been easier than with your new Samsung microwave oven. The following section describes everything you need to know about using your microwave oven.

USING THE KITCHEN TIMER BUTTON

This microwave allows you to use your microwave oven as a timer. Use the Kitchen Timer for timing up to 99 minutes, 99 seconds.

1. Press the **Kitchen Timer** button.
2. Enter the time by using the number buttons.
3. Press the **START** button.

When the time is over, four beeps will sound and *End* is displayed.using your microwave oven

USING THE ONE MINUTE+ BUTTON

This simplified control saves you time, letting you quickly start cooking at 100% power without the need to press the **START** button.

1. Press the **One Minute+** button for each minute you wish the food to be cooked for. For example, press it twice to cook it for two minutes. The time is displayed and the oven starts automatically.
2. Add minutes to a cooking program already in progress by pressing the **One Minute+** button for every additional minute you wish to add.

USING THE MORE/LESS BUTTONS

The **More (9)/Less (1)** buttons allow you to adjust the pre-set cook times. They only work for the "Reheat", "Auto Cooking", "One Minute+", and "Time Cook" modes. Use the **More (9)/Less (1)** buttons only after you have already begun cooking using one of these modes.

1. Use the **More (9)** button to add time to an automatic cooking procedure.
2. Use the **Less (1)** button to decrease the time of an automatic cooking procedure.

- Each time you press the More (9) button while cooking manually, the current cooking time increases by 10 seconds. Press the Less (1) button to decrease it by 10 seconds.

USING THE VENT HI/LO/OFF BUTTON

The vent removes steam and other vapors from the cooking surface. You can manually select the vent setting.

1. Press the **Vent Hi/Lo/Off** button once for a high fan speed.
2. Press the **Vent Hi/Lo/Off** button twice for a low fan speed.
3. Press the **Vent Hi/Lo/Off** button three times to turn the fan off.

If the temperature becomes too hot around the microwave oven, the fan in the vent hood will automatically turn on at the low setting to cool the oven. The fan will automatically turn off when the oven has cooled down sufficiently. This is an automated process and cannot be turned off.

USING THE LIGHT HI/LO/OFF BUTTON

The **Light Hi/Lo/Off** button allows you to select a light setting for your microwave.

1. Press the **Light Hi/Lo/Off** button once for the bright light setting.
2. Press the **Light Hi/Lo/Off** button twice for the night light
3. Press the **Light Hi/Lo/Off** button three times to turn the light completely off.

USING THE SOUND ON/OFF BUTTON

1. Touch the **Sound ON/OFF** button the display shows On.
2. Touch the **Sound ON/OFF** button the display shows Off.
3. Press the **Start** button. the display returns to the time of day.

USING THE AUTO COOK BUTTONS

The **Auto Cook** buttons consist of frequently used items allowing you to select these quickly and conveniently. Use the **More (9)/Less (1)** buttons to set your temperature preference. If the food is not thoroughly cooked or reheated when using the auto cook feature, complete the cooking process by selecting a power level and cook time.

CAUTION Do not continuously use the **Auto Cook** buttons. The oven must cool for 5 minutes between uses or the food will overcook.

Popcorn

The popcorn auto cook button is a feature that allows you to easily make popcorn (3.0/3.5 oz. bags of commercially packaged microwave popcorn). Use only one package at a time. If you are using a microwave popcorn popper, follow the manufacturer's instructions.

Example: 3.5 oz. bag popcorn.

1. Press the **Popcorn** button once.
2. The oven will start automatically.
3. When the cook time is over, four beeps will sound and *End* is displayed.
   (Refer to the "AUTO COOK TABLE" on page 20.)

CAUTION Do not leave the microwave oven unattended while popcorn is being cooked!

Baked Potato

The potato auto cook button is perfect for cooking potatoes at preset times and power levels. You can cook up to 4 potatoes.

Example: Cooking 2 potatoes.

Pierce the potatoes with a fork several times before putting them in the microwave oven.

1. Press the **Baked Potato** button twice.
2. The oven will start automatically.
3. When the cook time is over, four beeps will sound and *End* is displayed.
4. Let the potatoes stand for 5 minutes.
   (Refer to "AUTO COOK TABLE" on page 20.)

The cook times are based on average 8-10 oz. potatoes.

Vegetables

The Vegetables auto cook button lets you cook Vegetables with preset times and cook powers. **Vegetables** provide two preset categories(fresh and frozen) with a choice of 1 to 4 servings for each category.

Example: To cook 2 servings of Frozen Vegetables.

1. Touch **Vegetables** button twice.
2. Enter the serving size (1 to 4) using the number button.
3. Touch Start button.
4. When the cooking time is over, you will hear for beeps and *End* will display.
   (Refer to the "AUTO COOK TABLE" on page 20.)

Pizza Slice

Pizza Slice auto cook button lets you reheat up to three 3-5 oz. Slices of pizza.

Example: To reheat 1 Slice of pizza.

1. Touch **Pizza Slice** button once.
2. The oven will start automatically.
3. When the cook time is over, you will hear four beeps and *End* will displayed. (Refer to the "AUTO COOK TABLE" on page 20.)

Cook

Cook button provides four preset categories for cooking.

Example: To Cook 8 ozs of Frozen Dinner.

1. Touch **Cook** Pad three times.
2. Touch number pads to enter quantity, serving size or package weight.
3. Touch **START** pad.
4. When the cook time is over, you will hear four beeps and *End* will displayed.

Category	Times To Touch	Display
Beverage	once	Ac-1
Bacon	twice	Ac-2
Frozen Dinner	three times	Ac-3
Frozen Breakfast	four times	Ac-4

Auto cook table

CATEGORY	AMOUNT	TIMES TO PRESS	INSTRUCTIONS
Popcorn	3.0 oz. 1 package 3.0-3.5 oz. 1 package	once twice	Use only one microwave popcorn bag at a time. Be careful when removing and opening the hot bag from the oven. Let the oven cool for at least 5 minutes before using it again.
Baked Potato	1 potato 2 potatoes 3 potatoes 4 potatoes	once twice three times four times	Pierce each potato several times with a fork. Place them on the turntable in a spoke-like fashion. After cooking, let the potatoes stand for 3-5 minutes. Let the oven cool for at least 5 minutes before using it again. Use the **More (9)** button when cooking larger potatoes to add additional time.
Vegetables	Fresh Vegetables Frozen Vegetables	once twice	Place 1 to 4 servings of fresh / frozen vegetables in microwave-safe ceramic, glass or plastic dish and add 2-4 Tbs. water. Cover with lid or vented plastic wrap during cooking and stir before standing. Let oven cool for at least 5 minutes before using again. Use **More(9)** pad when cooking dense vegetables such as carrots or broccoli spears.
Pizza Slice	1 slice 2 slice 3 slice	once twice three times	Put 1-3 slices of pizza on a microwave-safe plate with wide end of slice toward the outside edge of the plate. Do not let slices overlap. Do not cover. Let oven cool for at least 5 minutes before using again. Use **More(9)** pad to increase reheat time for thick crust pizza.

CATEGORY	AMOUNT	TIMES TO PRESS	INSTRUCTIONS
Cook	Beverage (Ac-1)	once	Use measuring cup or mug; do not cover. Place the beverage in the oven. After heating, stir well. Let oven cool for at least 5 minutes before using again. Note: • Reheat times based on an 8 ounce cup. • Beverage heated with the beverage feature may be very hot. • Remove container with care. Amount : 0.5 cup, 1 cup, 2 cup
	Bacon (Ac-2)	twice	Place 2 paper towels on plate and arrange bacon on towels, do not overlap. Cover with additonal paper towel. Remove paper towel immediately after cooking. Use **More(9)/Less(1)** pads for desired crispness. Amount : 2 to 6 slices
	Frozen Dinner (Ac-3)	three times	Remove food from outer wrapping and follow box instructions for covering and standing. Let oven cool for at least 5 minutes before using again. Amount : 8 to 14 oz
	Frozen Breakfast (Ac-4)	four times	Follow package instructions for covering and standing. Use this pad for frozen sandwich, breakfast entree, etc. Let oven cool for at least 5 minutes before using again. Amount : 4 to 8 oz

USING THE AUTO DEFROST BUTTON

The defrost choices are preset in the oven. The defrost cycle provides you with the best defrosting method for frozen foods, because the oven automatically sets the defrosting times according to the entered weight. For added convenience, the auto defrost function beeps to remind you to check or turn over the food during the defrost cycle.
Press the **Auto Defrost** button once and select the food weight. The available weight ranges from 0.1 to 6.0 lbs.

1. Press the **Auto Defrost** button.
2. Use the number buttons to enter the weight.
3. Press the **START** button.

After pressing the **START** button, the display counts down the defrosting time. The oven will beep twice during the defrost cycle. At this time, open the door and turn the food as needed. Remove any thawed portions, then return the frozen portions to the oven and press the **START** button to resume the defrost cycle.
The defrost cycle continues while the oven is beeping and only stops when the door is opened.

Defrosting tips

When using auto defrost, the entered weight is the net weight in pounds and tenths of pounds (the weight of the food minus the container).
Use the auto defrost cycle for raw food only. The auto defrost cycle gives best results when the food to be thawed is a minimum of 0°F (taken directly from a true freezer). If food has been stored in a refrigerator-freezer that does not maintain a temperature of 5°F or below, always program a lower food weight (for a shorter defrosting time) to prevent actually cooking the food.
If the food is stored outside the freezer for up to 20 minutes, enter a lower food weight.
The shape of the package alters the defrosting time. Shallow rectangular packets defrost more quickly than a thick block.
Separate the pieces as they begin to defrost. Separated pieces defrost more easily.
Shield areas of food with small pieces of foil if they start to become warm.
You can use small pieces of aluminum foil to shield foods such as chicken wings, leg tips, and fish tails, but the foil must not touch the sides of the oven as foil causes arcing, which can damage the oven lining.

Auto defrosting table

Follow the instructions below when defrosting different types of food.

CATEGORY	PROCEDURE	STANDARD AMOUNT
Roast Beef, Pork	Start with the food placed fat side down. After each stage, turn the food over and shield any warm portions with narrow strips of aluminum foil.	2.5 - 6.0 lbs.
Steaks, Chops, Fish	After each stage, rearrange the food. If there are any warm or thawed portions of food, shield them with narrow, flat pieces of aluminum foil. Remove any pieces of food that are nearly defrosted. Let stand, covered for 5 - 10 minutes.	0.5 - 3.0 lbs.
Ground Meat	After each stage, remove any pieces of food that are nearly defrosted. Let stand covered with foil for 5 - 10 minutes.	0.5 - 3.0 lbs.
Whole Chicken	Remove giblets before defrosting poultry. Start defrosting with the breast side down. After the first stage, turn the chicken over and shield any warm portions with narrow strips of aluminum foil. After the second stage, again shield any warm portions with narrow strips of aluminum foil. Let stand, covered, for 30 - 60 minutes in the refrigerator.	2.5 - 6.0 lbs.
Chicken Pieces	After each stage, rearrange or remove any pieces of food that are nearly defrosted. Let stand for 10 - 20 minutes.	0.5 - 3.0 lbs.
Bread	Arrange the rolls in a circle on kitchen paper in the middle of the turntable. Turn over halfway through the defrosting time.	0.1 - 2.0 lbs.

USING THE AUTO REHEAT BUTTON

The **Auto Reheat** button provides three preset reheating categories.

CATEGORY	TIMES TO PRESS	DISPLAY
Plate of Food	once	rh-1
Casserole	twice	rh-2
Pasta	three times	rh-3

Example: Reheating 3 servings of casserole.

1. Press the **Auto Reheat** button twice.
2. Use the number buttons to enter the quantity/servings.
3. Press the **START** button.
4. When the cook time is over, four beeps will sound and *End* is displayed.

Auto reheating table

CATEGORY	DIRECTIONS	AMOUNT
Plate of Food	Use only pre-cooked, refrigerated foods. Cover the plate with a vented plastic wrap or waxed paper tucked under the plate. If the food is not as hot as you would like after using the reheat function, continue heating using additional time and power. Contents: 3-4 oz. meat, poultry or fish (up to 6 oz. with bone) ½ cup starch (potatoes, pasta, rice, etc.) ½ cup vegetables (about 3-4 oz.)	1 serving (1 plate)
Casserole **Pasta**	Cover the plate with a lid or vented plastic wrap. If the food is not as hot as you would like after using the reheat function, continue heating using additional time and power. Stir the food once before serving. Contents: 3-4 oz. meat, poultry or fish (up to 6 oz. with bone) ½ cup starch (potatoes, pasta, rice, etc.) ½ cup vegetables (about 3-4 oz.)	1 to 4 servings

The 'right' temperature of the food varies from person to person. Use the **More (9)/Less (1)** buttons to select your temperature preference.

Allow food to stand 1 to 5 minutes before serving.

USING THE SOFTEN/MELT BUTTON

SOFTEN/MELT lets you soften or melt 3 categories of food: **Melt Chocolate, Soften Cream Cheese and Melt Butter**.

Example: To melt chocolate.

1. Touch **SOFTEN/MELT** pad.
2. Choose food category(1-3).
3. Touch **START** pad.

Soften/Melt chart table

ITEM	Amount or servings	REMARKS
Melt chocolate	2 squares or 1 cup chips	• Place chocolate chips or square in a microwave-safe dish. • Stir well at half time when the oven beeps, and re-start the oven. • Unless stirred, the chocolate keeps its shape even when heating time is over.
Soften cream cheese	1 package (8 oz.)	• Unwrap cream cheese and place on microwave-safe dish. • Let stand 1-2 minutes.
Melt butter	1 stick (1/4 lb.)	• Remove wrapping and cut butter in half vertically. • Place butter in dish, cover with wax paper. • Stir well after finishing and let stand 1-2 minutes.
	2 sticks (1/2 lb.)	

MICROWAVE COOKING TIMES & POWER LEVELS

Your oven allows you to set two different cooking stages, each with their own time length and power level. The power level lets you control the heating intensity from Warm (1) through to High (10).

Cooking at high power levels

1. Use the number buttons to enter the cook time.
2. Press the **START** button.
3. When the cook time is over, four beeps will sound and *End* is displayed.

If you do not enter a power level, the microwave oven cooks at the High Power Level by default.

Cooking at lower power levels

Cooking at high power does not always give you the best results with foods that require slower cooking, such as roasts, baked goods, or custards. Your oven has 9 additional power settings in addition to high.

1. Use the number buttons to enter the cook time.
2. Press the **Power Level** button.
3. Use the number buttons to enter the power level.
4. Press the **START** button.
5. When the cook time is over, four beeps will sound and *End* is displayed.

Cooking with more than one cook cycle

For best results, some recipes call for one Power Level for a certain length of time, and another Power Level for another length of time. Your oven can be set to change from one to another automatically, if the first cycle is the defrost cycle.

1. Use the number buttons to enter the cook time.
2. Press the **Power Level** button.
3. Use the number buttons to enter the power level.
4. Use the number buttons to enter the second cook time.
5. Press the **Power Level** button.
6. Use the number buttons to enter the power level.
7. Press the **START** button.
8. When the cook time is over, four beeps will sound and *End* is displayed.

Power Levels

The 10 power levels allow you to choose the best power level for any food you may be cooking. The power levels are listed below with examples of foods and liquids best cooked at each level, and the amount of microwave power being used.

POWER LEVEL	MICROWAVE OUTPUT	USE
10 (High)	100 %	Boiling water. Cooking ground beef. Making candy. Cooking fresh fruit and vegetables. Cooking fish and poultry. Preheating browning dish. Reheating beverages. Bacon slices.
9	90 %	Reheating meat slices quickly. Sautéing onions, celery, and green pepper
8	80 %	Reheating all types of items(Dinner plate, pasta, meat, soup or sauce, etc,). Cooking scrambled eggs.
7	70 %	Cooking breads and cereal products. Cooking cheese dishes, veal. Cooking cakes, muffins, brownies, cupcakes.
6	60 %	Cooking pasta.
5	50 %	Cooking meats, whole poultry. Heating custard Cooking whole chickens, turkey, spare ribs, rib roasts, sirloin roasts.
4	40 %	Cooking less tender cuts of meat. Reheating frozen convenience foods.
3	30 %	Thawing meat, poultry, and seafood. Cooking small quantities of food. Finishing cooking casserole, stew, and some sauces.
2	20 %	Softening butter and cream cheese. Heating small amounts of food.
1	10 %	Softening ice cream. Raising yeast dough.

cookware guide

To cook food in the microwave oven, the microwaves must be able to penetrate the food without being reflected or absorbed by the dish.

It is important to choose the correct cookware, therefore look for cookware that is marked microwave-safe.

The table below lists various types of cookware and indicates if and how they should be used in a microwave oven.

MICROWAVE-SAFE UTENSILS

If you are not sure whether an item is microwave-safe or not, you can perform the following simple test:

1. Fill 1 cup of a glass measuring cup –with water and put it inside your oven next to the item to test.

2. Press the **One Minute+** button once to heat them both for one minute at high power.

After the minute, the water should be warm and the item you are testing should be cool. If the dish is warm, then it is absorbing microwave energy and is not microwave-safe.

COOKWARE	MICROWAVE-SAFE	COMMENTS
Aluminum foil	✓ ✗	Can be used in small quantities to protect areas against overcooking. Arcing can occur if the foil is too close to the oven wall or if too much foil is used.
Browning plate	✓	Do not preheat for more than eight minutes.
Ceramic, porcelain, and stoneware	✓	Porcelain, pottery, glazed earthenware and bone china are usually suitable, unless decorated with a metal trim.
Disposable polyester cardboard	✓	Some frozen foods are packaged in these materials.
Fast-food packaging		
Polystyrene cups/containers	✓	Can be used to warm food. Overheating may cause the polystyrene to melt.
Paper bags or newspaper	✗	May catch fire.
Recycled paper or metal trims Glassware	✗	May cause arcing.
Glassware		
Oven-to-table ware	✓	Can be used, unless decorated with a metal trim.
Fine glassware	✓	Can be used to warm foods or liquids. Delicate glass may break or crack if heated suddenly.
Glass jars	✓	Regular glass is too thin to be used in a microwave, and can shatter.
Metal		
Dishes, Utensils	✗	May cause arcing or fire.
Freezer bag twist ties	✗	
Paper		

COOKWARE	MICROWAVE-SAFE	COMMENTS
Plates, cups, napkins and Kitchen paper	✓	For short cooking times and warming. Also to absorb excess moisture.
Recycled paper	✓	Do not use recycled paper towels, which may contain metal and may catch fire or cause arcing.
Plastic		
Containers	✓	Can be used if heat-resistant thermoplastic. Some plastics may warp or discolor at high temperatures. Do not use Melamine plastic.
Cling film	✓	Can be used to retain moisture. Avoid wrapping the food too tight. Take care when removing the film as hot steam will escape.
Freezer bags	✓ ✘	Only if boilable or oven-proof. Should not be airtight. Prick with a fork, if necessary.
Wax or grease-proof paper	✓	Can be used to retain moisture and prevent spattering.
Thermometer	✓	Use only those marked “Microwave-safe” and follow the directions. Check the temperature in several places. Conventional thermometers can be used once the food has been removed from the oven.
Straw, wicker, and wood	✓ ✘	Use only for short-term heating, as these materials can be flammable.

✓ : Recommended
✓ ✗ : Use Caution
✗ : Unsafe

MICROWAVES

Microwave energy actually penetrates food, attracted and absorbed by the water, fat and sugar content. The microwaves cause the molecules in the food to move rapidly and the rapid movement of these molecules creates friction and the resulting heat cooks the food.

Cooking meat

Place the meat fat-side down on a microwave-safe roasting rack in a microwave-safe dish. Use narrow strips of aluminum foil to shield any bone tips or thin pieces of meat. Check the temperature in several places before letting the meat stand the recommended time.
The following temperatures are removal temperatures. The temperature of the food will rise during standing time.

FOOD	COOKING TIME/POWER LEVEL	INSTRUCTIONS
Roast beef (boneless) Up to 4 lbs.	**Cooking Time:** 10-15 min. / lb. for 145 °F - Rare 12-17 min. / lb. for 160 °F - Medium 14-19 min. / lb. for 170 °F - Well Done	Place the roast fat-side down on the roasting rack and cover with wax paper. Turn over halfway through the cooking process. Let stand for 10 to 15 minutes.
	Power Level: High (10) for first 5 minutes, then Medium (5).	
Pork (boneless or bone-in) Up to 4 lbs.	**Cooking Time:** 15-20 min. / lb. for 170 °F - Well Done	Place the roast fat-side down on the roasting rack and cover with wax paper. Turn over halfway through cooking. Let stand for 10 to 15 minutes.
	Power Level: High (10) for first 5 minutes, then Medium (5).	

Expect a 10°F rise in temperature during standing time.

FOOD		REMOVE FROM OVEN	AFTER STANDING (10 MIN.)
Beef	**Rare**	135 °F	145 °F
	Medium	150 °F	160 °F
	Well Done	160 °F	170 °F
Pork	**Medium**	150 °F	160 °F
	Well Done	160 °F	170 °F
Poultry	**Dark meat**	170 °F	180 °F
	Light meat	160 °F	170 °F

Cooking poultry

Place the poultry on a microwave-safe roasting rack in a microwave-safe dish and cover with wax paper to prevent spattering. Use aluminum foil to shield the bone tips, thin pieces of meat, or areas that are starting to overcook.
Check the temperature in several places before letting the poultry stand the recommended time.

FOOD	COOKING TIME/POWER LEVEL	INSTRUCTIONS
Whole chicken **Up to 4 lbs.**	**Cooking Time:** 6-10 min./lb. 180 °F dark meat 170 °F light meat **Power Level:** Medium High (7).	Place the chicken breast-side down on the roasting rack. Cover with wax paper. Turn over half way through cooking. Cook until the juices run clear and the meat near the bone is no longer pink. Let stand for 5-10 minutes.
Chicken pieces **Up to 2 lbs.**	**Cooking Time:** 6-10 min./lb. 180 °F dark meat 170 °F light meat **Power Level:** Medium High (7).	Place the chicken bone-side down on the dish, with the thickest portions towards the outside of the dish. Cover with wax paper. Turn over halfway through the cooking process. Cook until the juices run clear and the meat near the bone is no longer pink. Let stand for 5-10 minutes.

Cooking seafood

Place the fish on a microwave-safe roasting rack in a microwave-safe dish. Use a tight cover to steam the fish. A lighter cover of wax paper or paper towel will decrease steaming. Cook the fish until it flakes easily with a fork. Do not overcook fish; check it after the minimum cook time.

FOOD	COOKING TIME/POWER LEVEL	INSTRUCTIONS
Tuna steaks and salmon steaks **Up to 1.5 lbs.**	**Cooking Time:** 7-11 min. / lb. **Power Level:** Medium-High (7).	Arrange the steaks on a roasting rack with the meaty portions towards the outside of the rack. Cover with wax paper. Turn them over when the cooking time is halfway through. Cook until the fish flakes easily with a fork. Let stand for 3-5 minutes.
Fillets **Up to 1.5 lbs.**	**Cooking Time:** 4-8 min. / lb **Power Level:** Medium-High (7).	Arrange the fillets in a baking dish, tucking any thin pieces under. Cover with wax paper. If the fillets are thicker than ½“, turn them over when the cook time is halfway. Cook until the fish flakes easily with a fork. Let stand for 2-3 minutes.
Shrimp **Up to 1.5 lbs.**	**Cooking Time:** 4-6½ min. / lb. **Power Level:** Medium-High (7).	Arrange the shrimp in a baking dish without overlapping or layering them. Cover with wax paper. Cook until firm and opaque, stirring 2 or 3 times. Let stand for 5 minutes.

Cooking eggs

WARNING Never cook eggs in their shells, and never warm up hard-boiled eggs in their shells as they can explode. Always pierce whole eggs to keep them from bursting.

Cooking vegetables

Vegetables should be washed prior to cooking. Usually no extra water is needed. If dense vegetables such as potatoes, carrots and green beans are being cooked, add about ¼ cup water.
Small vegetables (sliced carrots, peas, lima beans, etc.) will cook faster than larger ones.
Whole vegetables, such as potatoes, acorn squash or corn on the cob should be arranged in a circle on the turntable before cooking. They will cook more evenly if turned over halfway through the cook time.
Always place vegetables such as asparagus and broccoli with the stem pointing towards the edge of the dish and the tips toward the center.
When cooking cut vegetables, always cover the dish with a lid or vented microwavable plastic wrap.
Whole, unpeeled vegetables such as potatoes, squash, eggplant, etc., should have their skins pierced in several spots before cooking to prevent them from bursting.
For a more even cooking result, stir or rearrange whole vegetables halfway through the cook time.
Generally, the denser the food, the longer the standing time. (Standing time refers to the time necessary for dense, large foods and vegetables to finish cooking after they come out of the oven.) A baked potato can stand on the counter for five minutes before cooking is completed, while a dish of peas can be served immediately.

cleaning and maintaining your microwave oven

Keeping your microwave oven clean improves its performance, wards off unnecessary repairs, and lengthens its life.

CLEANING THE EXTERIOR

It's best to clean spills on the outside of your microwave oven as they occur. Use a soft cloth and warm, soapy water. Rinse and dry.

CAUTION Do not get water into the vents. Never use abrasive products or chemical solvents.

CLEANING THE INTERIOR

CAUTION Ensure that the microwave oven has cooled down before cleaning it to avoid injury.

CAUTION Remove the glass tray from the oven when cleaning the oven or tray.
To prevent the tray from breaking, handle it with care and do not put it in water immediately after cooking. Wash the tray carefully in warm sudsy water or in the microwave oven.

Clean the interior surfaces (oven cavity) of your microwave oven periodically to remove any splashes or stains. To remove hardened food articles and remove smells, place 2 cups of water (add lemon juice for extra freshness) in a four-cup measuring glass at High power for 5 minutes or until boiling. Let it stand in the oven for one or two minutes.

CLEANING THE DOOR AND DOOR SEALS

Always ensure that the door seals are clean and that the door closes properly. Take particular care when cleaning the door seals to ensure that no particles accumulate and prevent the door from closing correctly. Wash the glass door with very mild soap and water. Be sure to use a soft cloth to avoid scratching.

If steam accumulates inside or outside the oven door, wipe with a soft cloth. Steam can accumulate when operating the oven at high humidity and in no way indicates microwave leakage.

CLEANING THE TURNTABLE AND ROLLER RINGS

Clean the roller rings periodically and wash the turntable as required. The turntable can safely be washed in your microwave oven.

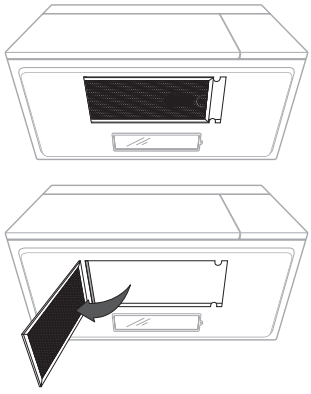
cleaning and maintaining your microwave oven

CLEANING THE GREASE FILTER

The grease filter should be removed and cleaned at least once a month.

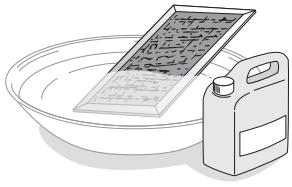
WARNING To avoid risk of personal injury or property damage, do not operate oven hood without filters in place.

1. To avoid risk of personal injury or property damage, do not operate the oven hood without the filters in place.

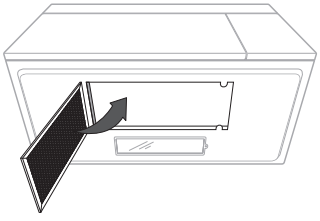


2. Soak the grease filter in hot water and a mild detergent. Rinse well and shake to dry.

WARNING Do not use ammonia or put the grease filter in the microwave oven. The aluminum will darken.



3. To return the filter to its position, slide it into the side slot, then push it upwards and towards the oven center to lock it.



STORING AND REPAIRING YOUR MICROWAVE OVEN

If you need to store your microwave oven for a short or extended period of time, choose a dust-free, dry location. Dust and dampness may adversely affect the ability of the microwave parts.

WARNING Do not repair, replace or service any part of your microwave oven yourself. Allow only a qualified service technician to perform repairs. If the oven is faulty and needs servicing, or you are in doubt about its condition, unplug the oven from the power outlet and contact your nearest service center.

Do not use the oven if the microwave oven is damaged, in particular when the door or door seals are damaged. This could be a broken hinge, a worn out seal or distorted/bent casing.

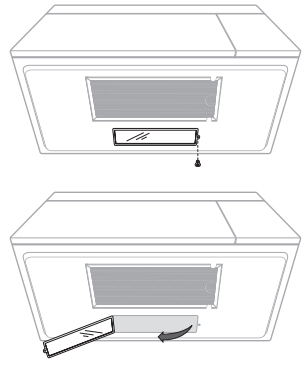
Do not remove the oven from its casing.

This microwave oven is for home use only and is not intended for commercial use.

REPLACING THE COOKTOP/NIGHT LIGHT

When replacing the night light, make sure that you are wearing gloves to avoid injury from the heat of the bulb.

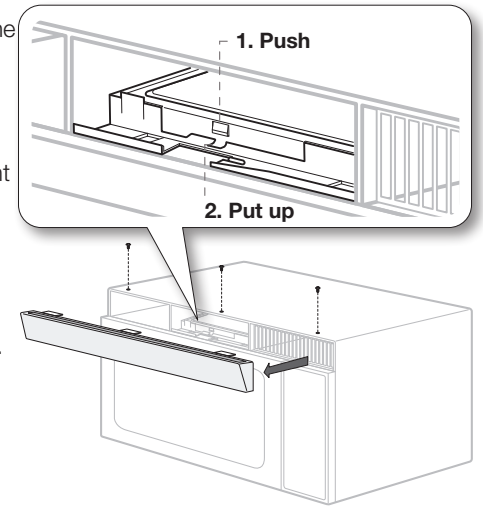
1. Unplug the oven or turn off the power at the main power supply.
2. Remove the bulb cover, and mounting screws.
3. Replace the bulb with a 40 watt appliance bulb.
4. Replace the bulb cover and mounting screws.
5 Turn the power back on at the main power supply.



REPLACING THE OVEN LIGHT

When replacing the oven light, make sure that you are wearing gloves to avoid injury from the heat of the bulb.

1. Unplug the oven plug or turn off the power at the main power supply.
2. Open the door.
3. Remove the vent cover mounting screws (3 middle screws).
4. Slide the vent grille to the left, then pull it straight out.
5. Remove the charcoal filter, if present.
6. Remove the cover by pushing the hook and putting up the lever.
7. Remove the bulb by turning it gently.
8. Replace the bulb with a 40 watt appliance bulb.
9. Replace the bulb holder.
10. Replace the vent grille and the 3 screws.
11. Turn the power back on.



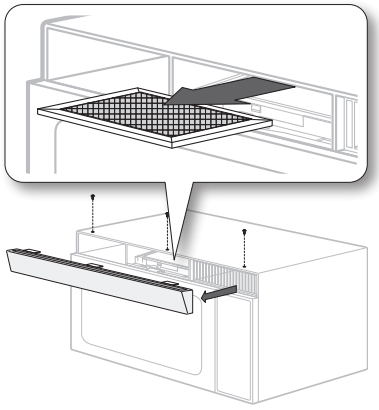
cleaning and maintaining your microwave oven

REPLACING THE CHARCOAL FILTER

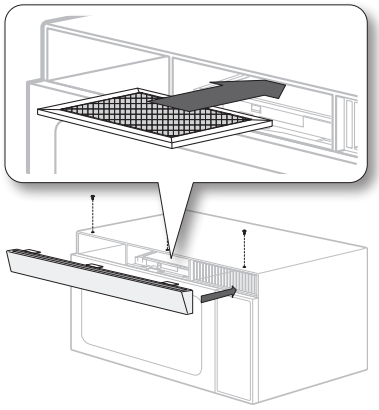
If your oven is vented to the inside, the charcoal filter should be replaced every 6 to 12 months and more often if necessary. The charcoal filter cannot be cleaned. To order a new charcoal filter, contact the Parts Department at 1-800-627-4368 or your Samsung dealer.You can also order online at www.samsungparts.com

(Charcoal filter part no.: DE63-00367E)

1. Unplug the oven plug or turn off the power at the main power supply.
2. Open the door.
3. Remove the vent grille mounting screws (3 middle screws).
4. Slide the vent grille to the left, then pull it straight out.
5. Push the hook and remove the old filter.



6. Slide a new charcoal filter into place. The filter should rest at the angle shown.
7. Replace the vent grille and 3 screws and close the door. Turn the power back on and set the clock.



troubleshooting

CHECK THESE POINTS IF YOUR MICROWAVE OVEN…

PROBLEM	SOLUTION
Display is not working.	Make sure the plug is properly connected to a grounded outlet. If the wall outlet is controlled by a wall switch, make sure the wall switch is turned on. Remove the plug from the outlet, wait ten seconds, and plug it in again. Reset the circuit breaker or replace any blown fuses. Plug a different appliance into the outlet. If the other appliance doesn't work, call a qualified electrician to repair the wall outlet. Plug the oven into a different outlet.
The display is working, but the power won't come on.	Make sure the door is closed securely. Check if any packaging material or anything else is stuck in the door seal. Check if the door is damaged. Touch Cancel twice and re-enter all cooking instructions.
Is the power going off before the set time has elapsed?	If there was a power outage, the time indicator will display: *88:88*. If no power outage occurred, remove the plug from the outlet, wait ten seconds, and plug it in again. Reset the clock and any cooking instructions. Reset the circuit breaker or replace any blown fuses.
Cooks food too slowly.	Make sure the oven has its own 20 amp circuit line. Operating another appliance on the same circuit can cause a voltage drop. If necessary, move the oven to its own circuit.
Has sparks or arcing.	Remove any metallic utensils, cookware, or metal ties. If using foil, use only narrow strips and allow at least one inch between the foil and the interior oven walls.
The turntable makes noise or becomes stuck.	Clean the turntable, roller ring and oven floor. Make sure the turntable and roller ring are positioned correctly.
Causes TV or radio interference.	This is similar to interference caused by other small appliances, such as hair dryers. Move your microwave (or appliance) away from such appliances, such as your TV or radio.

SPECIFICATIONS

MODEL NUMBER	SMH9151
Oven Cavity	1.5 CuFt
Controls	10 power levels, including defrost
Timer	99 minutes, 99 seconds
Power Source	120 VAC, 60 Hz
Power Consumption	1580 Watts
Power Output	1000 Watts
Oven Cavity Dimensions	19 5/16”(W) X 9 5/8”(H) X 14 3/8”(D)
Outside Dimensions	29 7/8”(W) X 16 1/2”(H) X 15 1/16”(D)
Shipping Dimensions	33 3/8”(W) X 19 15/16”(H) X 19 13/32”(D)
Net Weight	STSS : 45.9 lbs Plastic : 44.5 lbs
Gross Weight	STSS : 53.4 lbs Plastic : 52.0 lbs

warranty

SAMSUNG OVER-THE-RANGE(OTR) MICROWAVE OVEN

Limited warranty to original purchaser

This SAMSUNG brand product, as supplied and distributed by Samsung Electronics America, Inc. (SAMSUNG) and delivered new, in the original carton to the original consumer purchaser, is warranted by SAMSUNG against manufacturing defects in materials and workmanship for a limited warranty period of:

ONE (1) YEAR PARTS AND LABOR, TEN (10) YEARS PARTS WARRANTY FOR MAGNETRON

This limited warranty begins on the original date of purchase, and is valid only on products purchased and used in the United States. To receive warranty service, the purchaser must contact SAMSUNG for problem determination and service procedures. Warranty service can only be performed by a SAMSUNG authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to SAMSUNG or SAMSUNG's authorized service center.

SAMSUNG will repair or replace this product, at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of SAMSUNG and must be returned to SAMSUNG. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer.

In-home service will be provided during the warranty labor period subject to availability within the contiguous United States. In-home service is not available in all areas. To receive in-home service, the product must be unobstructed and accessible to service personnel. If during in-home service repair can not be completed, it may be necessary to remove, repair and return the product. If in-home service is unavailable, SAMSUNG may elect, at our option, to provide for transportation of our choice to and from a SAMSUNG authorized service center. Otherwise, transportation to and from the SAMSUNG authorized service center is the responsibility of the purchaser.

This limited warranty covers manufacturing defects in materials and workmanship encountered in normal, noncommercial use of this product and shall not apply to the following, including, but not limited to: damage which occurs in shipment; delivery and installation; applications and uses for which this product was not intended; altered product or serial numbers; cosmetic damage or exterior finish; accidents, abuse, neglect, fire, water, lightning or other acts of nature; use of products, equipment, systems, utilities, services, parts, supplies, accessories, applications, installations, repairs, external wiring or connectors not supplied or authorized by SAMSUNG which damage this product or result in service problems; incorrect electrical line voltage, fluctuations and surges; customer adjustments and failure to follow operating instructions, cleaning, maintenance and environmental instructions that are covered and prescribed in the instruction book; problems caused by pest infestations, and overheating or overcooking by user; glass tray or turntable; reduced magnetron power output related to normal aging. SAMSUNG does not warrant uninterrupted or error-free operation of the product.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE LISTED AND DESCRIBED ABOVE, AND NO WARRANTIES WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL APPLY AFTER THE EXPRESS WARRANTY PERIODS STATED ABOVE, AND NO OTHER EXPRESS WARRANTY OR GUARANTY GIVEN BY ANY PERSON, FIRM OR CORPORATION WITH RESPECT TO THIS PRODUCT SHALL BE BINDING ON SAMSUNG. SAMSUNG SHALL NOT BE LIABLE FOR LOSS OF REVENUE OR PROFITS, FAILURE TO REALIZE SAVINGS OR OTHER BENEFITS, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE OR INABILITY TO USE THIS PRODUCT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF SAMSUNG HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOR SHALL RECOVERY OF ANY KIND AGAINST SAMSUNG BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT SOLD BY SAMSUNG AND CAUSING THE ALLEGED DAMAGE. WITHOUT LIMITING THE FOREGOING, PURCHASER ASSUMES ALL RISK AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO PURCHASER AND PURCHASER'S PROPERTY AND TO OTHERS AND THEIR PROPERTY ARISING OUT OF THE USE, MISUSE OR INABILITY TO USE THIS PRODUCT SOLD BY SAMSUNG NOT CAUSED DIRECTLY BY THE NEGLIGENCE OF SAMSUNG. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT, IS NONTRANSFERABLE AND STATES YOUR EXCLUSIVE REMEDY.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

To obtain warranty service, please contact SAMSUNG at:

1-800-SAMSUNG (7267864) and www.samsung.com

memo

QUESTIONS OR COMMENTS

COUNTRY	CALL	OR VISIT US ONLINE AT
CANADA	1-800-SAMSUNG(726-7864)	www.samsung.com/ca
MEXICO	01-800-SAMSUNG(726-7864)	www,samsung.com/mx
U.S.A	1-800-SAMSUNG(726-7864)	www,samsung.com/us

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